

(FILE 'HOME' ENTERED AT 12:42:03 ON 13 JUN 2001)

FILE 'BIOSIS, MEDLINE, CA' ENTERED AT 12:43:34 ON 13 JUN 2001  
L1 88 S ("CARRY-OVER" OR CONTAMINATION) (P) (PCR OR LCR OR

AMPLIFICATIO

L2 19 S L1 AND PY>1998

L3 69 S L1 NOT L2

L4 1 S L3 AND (VOLTAGE OR ELECTRIC? OR CURRENT)

FILE 'STNGUIDE' ENTERED AT 12:45:20 ON 13 JUN 2001

FILE 'BIOSIS, MEDLINE, CA' ENTERED AT 12:47:24 ON 13 JUN 2001

FILE 'STNGUIDE' ENTERED AT 12:47:25 ON 13 JUN 2001

FILE 'BIOSIS, MEDLINE, CA' ENTERED AT 12:48:52 ON 13 JUN 2001

FILE 'STNGUIDE' ENTERED AT 12:48:55 ON 13 JUN 2001  
L5 0 S (DNA OR RNA OR "NUCLEIC ACID" OR PRIMER!) (P) (ELECTRIC? OR  
VOL

FILE 'BIOSIS, MEDLINE, CA' ENTERED AT 12:52:09 ON 13 JUN 2001  
L6 86 S (DNA OR RNA OR "NUCLEIC ACID" OR PRIMER!) (P) (ELECTRIC? OR  
VOL

L7 22 S L6 AND PY>1998

L8 64 S L6 NOT L7

(FILE 'HOME' ENTERED AT 08:55:00 ON 13 JUN 2001)

FILE 'BIOSIS, CA, MEDLINE' ENTERED AT 08:55:41 ON 13 JUN 2001

L1 1427 S ABLATION AND (DNA OR RNA OR "NUCLEIC ACID")  
L2 101 S L1 AND PCR  
E GUNDLING G/AU  
L3 15 S E3-E6  
L4 0 S L3 AND L2  
L5 57 S L2 AND PY>1997  
L6 44 S L2 NOT L5  
L7 2 S DECONTAMINATION AND PCR AND (VOLTAGE OR CURRENT OR  
ELECTRIC?)  
L8 20 S ("CARRY OVER" OR CARRYOVER) AND (REMOVAL OR ELIMINATION OR  
AB  
L9 10 S L8 AND PY<1999

L8 ANSWER 16 OF 24 CA COPYRIGHT 2001 ACS  
AN 132:217628 CA  
TI Biochips on CMOS: an active **matrix address**  
**array** for **DNA** analysis  
AU Caillat, P.; David, D.; Belleville, M.; Clerc, F.; Massit, C.;  
Revol-Cavalier, F.; Peltie, P.; Livache, T.; Bidan, G.; Roget, A.;  
Crapez,  
E.  
SO Sens. Actuators, B (1999), B61(1-3), 154-162  
CODEN: SABCEB; ISSN: 0925-4005  
AB This paper reports a new development using a fully silicon active substrate and **DNA probe** electro-immobilization. The **DNA** chip described is using CMOS 0.8 .mu.m technol. and an integrated multiplexer to **address** successively the electrode on which a specific **DNA probe** will be deposited. This approach is well adapted for low to medium range no. of probes (50-1000) device. Applications targeted by this kind of device are wide, from specific kit of diagnosis to cancerol. and agronomy. The final demonstrator is a 128 **DNA probe** chip which is used for the anal. of genes involved in Oncol.